Python: module browser.gui_graphics_control

browser.gui_graphics_control

```
# The PCMDI Data Browser Graphics Control Panel -  gui_graphics_control module
#
###########################################################################
#                                                                         #
# Module:       gui_graphics_control module                               #
#                                                                         #
# Copyright:    "See file Legal.htm for copyright information."           #
#                                                                         #
# Authors:      PCMDI Software Team                                       #
#               Lawrence Livermore NationalLaboratory:                    #
#               support@pcmdi.llnl.gov                                     #
#                                                                         #
# Description:  PCMDI Software System browser Tkinter "Graphics Control"   #
#               panel  GUI.                                                #
#                                                                         #
# Version:      4.0                                                       #
#                                                                         #
###########################################################################
#
#-------------------------------------------------------------------------
# NOTE: need to use version of Python that imports Tkinter and Pmw
#-------------------------------------------------------------------------
```

Modules

Tkinter	gui_support.gui_color	browser.gui_output	sys
__main__	browser.gui_control	browser.gui_set_graphics_methods	vcs
browser.gui_alter_plot	browser.gui_defined_variables	browser.gui_set_min_max_scale	browser
browser.gui_annotate	browser.gui_formulate	gui_support	
browser.gui_busy	browser.gui_functions	os	
browser.gui_canvas_geometry	browser.gui_message	string	

Classes

create

class *create*

```
#-------------------------------------------------------------------
#
# Start of the "Graphics Control" panel GUI Layout
```

```
#
#-------------------------------------------------------------------
# Start the Tkinter/Pmw GUI layout. The layout is listed from top t
# Starting with: the menu bar; followed by the "Select Variable" par
# allows the user to select data from a directory or a database; fo
# the "Graphics Control" panel, which allows the user to plot the s
# defined variables; followed by the "Dimension" panel, which allow
# select subsets of the selected variable before plotting or storin
# followed by the "Defined Variables" panel, which allows the user
# variables that are stored in memory; and finally followed by the
# Information" scroll window, which displays variable information.
#
# All panels are contained within a paned widget. Thus, allowing th
# each section to expand or constrict.
#
#-------------------------------------------------------------------
# Begin the creation of "Graphics Control" panel
#-------------------------------------------------------------------
```

Methods defined here:

  __init__(self, parent)

  call_do_plot(self, parent, gm_type='Boxfill', var_name=None, new_form=0)
```
        ####### call do plot
        # This function can be called twice. Once for the inital grap
        # overlay isoline.
```

  call_multiple_plot(self, parent, gm_type='Boxfill', var_name=None, new_form=0)
```
        ####### call multiple plot
        # This function can be called twice. Once for the inital grap
        # overlay isoline.
```

  evt_animate(self, parent)
```
        ####### event to 'Animate' the VCS Canvas
```

  evt_clear_display(self, parent)
```
        ####### event to 'VCS Clear Display'
```

  evt_close_canvas(self, parent)
```
        ####### event to 'Close VCS Canvas'
```

  evt_colormap(self, parent)
```
        ####### event to pop up the VCS 'Colormap'
```

  evt_continents_toggle(self, parent, number)
```
        ####### event to set continents flag type
```

  evt_define(self, parent, var_name=None)
```
        ####### event to define a variable
```

evt_gmeditor(self, parent)

evt_isoline_labels_toggle(self, parent)
```
####### event to set isoline labels flag
```

evt_number_of_plots_on_canvas(self, parent, number)
```
####### event to set the nubmer plots on a VCS Canvas
```

evt_overlay_toggle(self, parent)
```
####### event to set overlay flag
```

evt_page_orientation(self, parent, orientation)
```
####### event to set page orientation
```

evt_pageeditor(self, parent)

evt_plot(self, parent)
```
####### event to plot
# This is called because there is a need for an intermediate
# an overlay is needed (i.e., FilledIsoline or BoxedIsoline).
# Then call "call_do_plot" twice; once for isofill or boxfill
# overlay.
```

evt_set_plot_projection(self, parent, number)
```
####### event to set the plot projection
```

evt_templateeditor(self, parent)

evt_which_graphics_method(self, parent, event)
```
####### event to check which graphics method is in use
```

evt_which_vcs_canvas(self, parent, event)
```
####### event to check which VCS Canvas is in use
```

remove_variable_from_defined_variable_list(self, parent, remove_variable)

turn_off_all_plots(self, parent)

turn_on_listed_plots(self, parent, on_list)

which_plot_is_on(self, parent)

Functions

remove_graphics_methods(parent)

Data

Pmw = <Pmw.Pmw_1_2.lib.PmwLoader.PmwLoader instance>
fn = '/pcmdi/halliday1/PCMDI_GRAPHICS'